37/15-16

ವಿ.ಪ. ವಾರ್ಡ್ ನಂ 07,
ರಾಜ ಅಗ್ರಹಾರ.

ಮೊ 263700 ರೂಪಾಯಿ

Executive Engineer 25/2/16
Byatarayanapura Division
Mitra Zone, B.B.M.P.
Bangalore-560032

BR-140/31 5/16

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. Pre-measurement: 263601

Name of Work Providing concrete drains in Agesarahatti, Jakkur village

Name of Contractor of nature of Agency Ward No.07 - Byatarayanapura:

Date of commencement of work 02-03-16.

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Est. Cost:	25.00 lakhs:					
	Job code:	007-16-000019					
	Head of Account:	P-1771					
	AS NO:-	AS|CE|YNK|69|15-16; dt: 14-12-15					
	TS NO:-	TS|CE|YNK|28|15-16; dt: 14-12-15					
	Tender price:	2345832.06					
	Agr NO:-	NO.BBMP|EE|Agr|272|15-16; dt: 01-03-16.					
	Works Order No:-	NO.BBMP|EE|BTP|WO|272|15-16; dt: 01-03-16					
	Date of commencement:-	02-03-16					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No.01:- Premeasurements recorded on: 05-03-16						
	Scarifying kankar/gravel/metal crust upto 150mm thick with power roller and scarifier, disposal of stuff including cost of all labour charges HOM of machineries MORTH specification.						
	Basavaraju house road:-	01	30.00	2.00	-	= 60.00	
		01	8.00	2.00	-	= 16.00	
		01	24.00	3.00	-	= 72.00	
	Main road:-	01	30.00	2.00	-	= 60.00	
		01	13.00	2.00	-	= 26.00	
	1st cross road:-	01	30.00	3.50	-	= 75.00	
						105	

Serial No. .....
Name of Work ..... F
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	3
	2nd cross road:-	0 0 0 01 01
	Qty Ltd to 5	70.0
	Mulpthy - N.D AE(W7)	

BOOK

ons		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
n:	05-03-16		
l crust upto 150mm thick			
al of stuff including cost of			
nick MORTH specification.			
00	-	= 60.00	
00	-	= 16.00	
00	-	= 72.00	
00	-	= 60.00	
00	-	= 26.00	
0	-	= 75.00	
		105	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

263602

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	2nd cross road:-	01	30.00	3.50	-	= 105.00	
		01	16.00	3.50	-	= 56.00	
		01	30.00	3.00	-	= 90.00	
		01	30.00	3.00	-	= 90.00	
		01	5.00	3.00	-	= 15.00	
						665.00	
						665.00	
	Qty Ltd to 570.40 sqm.						
	Multiply - N.D AE(W7)						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No 02:- Premeasurements recorded on: 9-03-16						
	Earthwork excavation by manual means in Ordinary soil involving an average horizontal throw up to 2m and an average lift upto 1.5m, excavated surface. levelled and sides neatly dressed, the disposed earth to be levelled neatly dressed, the disposed earth to be levelled neatly after breaking of clods, complete as per specifications:						
	Basavaraju road house:	01	30.00	0.30	0.40 = 4.56		3.96
		01	8.00	0.30	0.40 = 0.60		0.96
		01	24.00	0.30	0.40 = 2.28		2.88

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	~~1st cross~~ road: Main NDP AE
	1st cross road:
	Interior road:-
	2nd cross road:-

OOK

Depth 6	Contents 7	Reference to last Measurement 8
9-03-16		
anual means in Ordinary		
throw up to 2m and an		
surface. levelled and		
rth to be levelled neatly		
velled neatly after		
pecifications:		
0.40= 4.56		3.60
0.40 = 0.60		0.96
0.40 = 2.28		2.88

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

263603

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	~~1st cross~~ road:	01	30.00	0.30	0.40	= 3.60	
	NDP Main AE	01	13.00	0.30	0.40	= 1.56	
	1st cross road:	01	30.00	3.00	0.40	= 36.00	
		01	30.00	3.00	0.40	= 36.00	
		01	16.00	3.00	0.40	= 19.20	
	Interior road:-	01	20.00	1.00	0.40	= 8.00	
		01	17.00	1.00	0.40	= 6.80	
	2nd cross road:-	01	30.00	2.00	0.40	= 24.00	
		01	30.00	2.00	0.40	= 24.00	
		01	5.00	2.00	0.40	= 4.00	

OOK

Depth 6	Contents 7	Reference to last Measurement 8
0.40 =	8.00	
0.40 =	12.00	
0.40 =	2.80	
0.40 =	48.00	
0.40 =	8.00	
0.40 =	48.00	
0.40 =	14.40	
0.60 =	10.80	
0.60 =	10.80	
0.60 =	7.56	340.96
	343.00 cum	

Mukhtly. N.D
AE(7) 12/3/16

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

263604

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No.10:- lead for disposal of debris shall be payable at carriage rates by Mechanical means including loading and unloading:						
	~~Qty~~ vide Item No.02 → 343.00 cum 340.96						
	Mukhtly. N.D AE(7)						
	Item No.03:- Premeasurements recorded on: 12-03-16						
	Providing and laying in position plain cement concrete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	of mix M10 with OPC cement @ 220 Kgs with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery curing complete as per specifications:						
	Basavaraju house. road:-	01	30.00	1.10	0.10	= 3.30	
		01	8.00	1.10	0.10	= 0.88	
		01	5.00	2.00	0.10	= 1.00	
		01	19.00	3.00	0.10	= 5.70	

Serial No. .....
Name of Work ..... F
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	Main road:- Checked.	01
		01
	1st cross road:-	01
		01
	Interior road:-	01
		01
	2nd cross road:-	01
		01
		01

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
with 40mm and down size			
regates @ 0.892 cum and fine			
ixed, concrete laid in layers			
mpacted, in foundation and			
le, labour, HOM of machinery			
ne:			
10	0.10 = 3.30		
10	0.10 = 0.88		
00	0.10 = 1.00		
00	0.10 = 5.70		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 263605

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Main road:- Checked.	01	30.00	3.00	0.10	= 09.00	
		01	13.00	3.00	0.10	= 3.90	
	1st cross road:-	01	30.00	2.00	0.10	= 6.00	
		01	30.00	2.00	0.10	= 6.00	
			16.00	2.00	0.10	= 3.20	
	Interior road:-	01	20.0	2.50	0.10	= 05.00	
		01	17.0	1.00	0.10	= 1.70	
	2nd cross road:-	01	30.00	1.00	0.10	= 6.00	
		01	30.00	1.00	0.10	= 6.00	
		01	5.00	1.00	0.10	= 1.00	

OOK

Depth 6	Contents 7	Reference to last Measurement 8
0.10 =	9.00	
0.10 =	2.10	
0.10 =	3.00	
0.10 =	0.90	
0.10 =	9.00	
0.10 =	1.50	
0.10 =	12.00	
0.10 =	12.00	
0.10 =	4.80	
	153.03 cum	

M.N.D

AE(107) 27/4/16

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To..... 263610
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item. No 07:- Premeasurements recorded on: 27-04-16						
	Vaccum de watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, screed vibratory power floater, blade and disc etc., with all lead and lift:						
	Baravaraju house road:-	01	30.00	2.00	-	= 60.00	
		01	8.00	2.00	-	= 16.00	
		01	5.00	3.00	-	= 15.00	
		01	19.00	3.00	-	= 57.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Main road:-	01	30.00	3.00	-	= 9.00	
		01	13.00	3.00	-	= 39.00	
	~~Interior road:-~~	~~01~~	~~20.00~~	~~1.00~~	-	= ~~20.00~~	NDP AE(107)
		~~01~~	~~17.00~~	~~1.00~~	-	= ~~17.00~~	
	1st cross road:-	01	30.00	3.50	-	= 105.00	
		01	30.00	3.50	-	= 105.00	
		01	16.00	3.50	-	= 56.00	
	2nd cross road:	01	30.00	3.00	-	= 90.00	
		01	30.00	3.00	-	= 90.00	
		01	5.00	3.00	-	= 15.00	
	Towards main road:	01	10.00	3.00	-	= 30.00	
	Main road:-	01	30.00	3.00	-	= 90.00	
		01	7.00	3.00	-	= 21.00	
						798.00 Sqm	

MC ✓ FC

Pyali 24/4/16

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	Qty ltd to	5

Item No. 08:- Premeasurement
Providing groove
80mm - 100mm including
of machinery, including
cleaning of groove

BOOK

ons		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
·00	–	= 9.00	
·00	–	= 39.00	
·00	–	= ~~20.00~~	NDP AE(W7)
·00	–	= ~~17.00~~	
·50	–	= 105.00	
·50	–	= 105.00	
·50	–	= 56.00	
·00	–	= 90.00	
·00	–	= 90.00	
·00	–	= 15.00	
·00	–	= 30.00	
·00	–	= 90.00	
·00	–	= 21.00	
		798.00 sqm	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

263611

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty ltd to	570.60 sqm.					
		Mb HH·N·D AE(W7)					
	Item No. 08:- Premeasurements recorded on: 6-05-16						
	Providing groove cutting for width of 5mm to 10mm and depth 80mm - 100mm including cost of cutting machine, generator & HDM of machinery, including cost of blade, coolant etc., including cleaning of groove and providing sand and hot bitumen						

OOK

	Depth 6	Contents 7	Reference to last Measurement 8
→	117.04 cum:		
			559919.00
on load bearing with			
ressive strength not less than			
tar 1:4 with blocks of size			
cs 2185/1965 in super			
ial labour charges:			
7 →	138.40 sqm		133002.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 263615

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No.05:- compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, T&M of machinery complete as per specifications:						
	Qty vide page No: 2637/263608 →					570.40 sqm:	
	At the rate of Rs: 4.6 →						2623.84
	Item No.06:- Providing and laying cement concrete using 20mm and						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	down size granite Jelly ready mix concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc, including smooth finish. in CM 1:3, with all lead and lift etc., complete (exculsive of cost of steel, fabrication and plastering charges).						
	Qty vide page No. 2637/		26360g		→	153.03 cum	
	At the rate of Rs:		5974.00		→		914201.20
	Item. No. 07:-						
	Vaccum de-watering mat and compaction with skin floater clubbed with vaccum pump and suction						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	floating disc including vibratory, power float and lift:	
	Qty vide page	
	At the rate	
	Item. No: 08:-	
	Providing	
	depth 80mm - 100mm	

OK

Depth 6	Contents 7	Reference to last Measurement 8
crete	for RCC works	
acted	including	
finish. in CM 1:3, with		
e of cost of steel,		
→	153.03 cum	
		914201.20
pump and	suction	
er clubbed	with	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To..... 263616
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	floating disc including cost of generator, HOM of machinery, screed vibratory, power floater, blade and disc etc, with all lead and lift:						
	~~Qty~~ vide page No:	2637/	263611	→		570.40 sq.m	
	At the rate of Rs:	91.70	→				52305.70
	Item No: 08:- Providing depth 80mm - 100mm	groove cutting including cost of		for width of 5mm to 10mm and cutting machine, generator			

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and TOM of machinery, including cost of blade, coolant etc., including cleaning of groove and providing sand and hot bitumen fillars and filler metal etc, including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing.						
	Qty vide page. 2637/2636/2 →					50.00 mtr	
	At the rate of Rs: 117.00 →						5850.00
	Item. No: 09:-						
	Providing T.M.T steel reinforcement for RCC works including straightening, cutting, bending, hooking, placing						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	in position, lapping binding wire and a
	Qty vide page
	At the rate of

27/5/16

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಕೊಡಿಗೇಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ, ಬಿ.ಬಿ.ಎಂ.ಪ
ಬೆಂಗಳೂರು - 560092

K

epth 6	Contents 7	Reference to last Measurement 8
blade, coolant etc.,		
ng sand and hot		
including cost of		
ead and lift charges		
drawing.		
50.00 mtr		
		5850.00
ent for RCC works		
ng, hooking, plaing		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To..... 263617
Name of Contractor of nature of Agency .....
Date of commencement of work .....

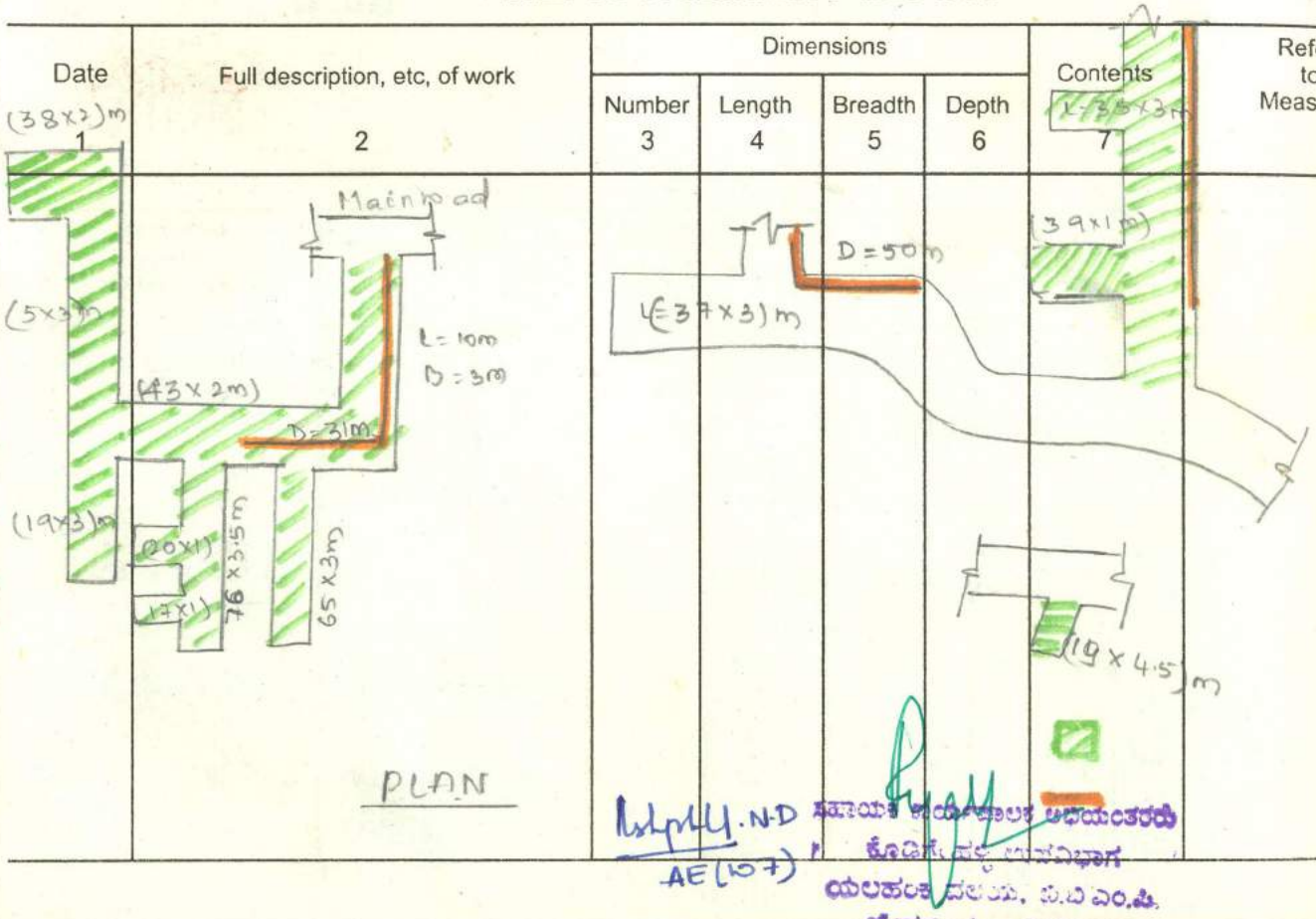
Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining						
	Qty vide page No. 2637/263612 →					1.42 qntl.	
MCRC	At the rate of Rs: 65862.00 →						93524.00
						GRAND TOTAL =	18,26312.50
							1826122-w

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೊಡಿಗೆಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ, ಬಿ.ಬಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು - 560092

AE(W7)
27/5/16

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



M.N.D
AE(107)

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೊಡಿಸಿಕೊಳ್ಳಲು ಯಾವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ, ಬಿ.ಬಿ.ಎಂ.ಪಿ.

Serial No. Royalty charges:
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
Sl.No.	Description / Qty.	
03	PCC(1:4:8) - 117.04	
06	PCC(1:2:4) - 153.04	

BOOK

ns		Contents	Reference to last Measurement
adth 5	Depth 6	7	8

M. A. R. 57 (Rule 116)
Measurement Book

No. B

263618

Serial No. Royalty charges:

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
Sl.No.	2 Description / Qty.	3 Jelly	4	5 Sand	6	7 Cement:	8
03	PCC(1:4:8) - 117.04						
06	PCC(1:2:4) - 153.04						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	CERTIFICATE						
	1) Certified that work done by the contractor is satisfactory.						
	2) Certified that debris has been removed from the work spot.						
	Supplg. N.D AE(W7)						

Serial No. BP-140 31/5/16

Name of Work .....

Name of Contractor of nature of Agen

Date of commencement of work .....

Date	Full description, etc, of work
1	2

Audited & Admitted

1692

and Rs 1333

Accts. Supdt

Byatarayanapura

BBMP

OOK

h	Depth 6	Contents 7	Reference to last Measurement 8
ector is satisfactory.			
ed from the work spot.			

BR-100
21/5/16

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 263619

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Audited & Admitted to Rs 182620-00					IT - 18262-00	
	169224-00 by cheque					VAT - 33045-00	
	and Rs 13396-00 by [illegible]					LWF - 1826-00	
	Krishnamurthy K.V. Accts. Supdt Byatarayanapura Dn BBMP					CSF - 1822-00	
	14/6.					AP - 22,000.00	
						Total - 133396-00	